

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
(MODIFIED) PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
04-40080-US

SERIAL NO.
10/782,378

APPLICANT
Bruce K. Redding JR.

FILING DATE
February 18, 2004

GROUP
3763

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

37 CFR 1.98(b))

U.S. PATENT DOCUMENTS

PG	EXAMINER R INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
PG		4 5 9 2 7 5 3	06/03/1986	Panoz			
		4 6 5 7 5 4 3	04/14/1987	Langer et al.			
		4 7 6 7 4 0 2	08/30/1988	Kost et al.			
		4 7 8 0 2 1 2	10/20/1988	Kost et al.			
		4 7 8 7 8 8 8	11/29/1988	Fox			
		4 8 2 1 7 4 0	04/18/1989	Tachibana et al.			
		4 9 5 3 5 6 5	09/04/1990	Tachibana et al.			
		4 9 7 8 4 8 3	12/18/1990	Redding, Jr.			
		4 9 9 9 8 1 9	03/12/1991	Newnham et al.			
		5 0 0 7 4 3 8	04/16/1991	Tachibana et al.			
		5 0 1 6 6 1 5	05/21/1991	Driller et al.			
		5 1 1 5 8 0 5	05/26/1992	Bommannan et al.			
		5 1 7 1 2 1 5	12/15/1992	Flanagan			
		5 2 0 9 8 7 9	05/11/1993	Redding, Jr.			
		5 2 3 1 9 7 5	08/03/1993	Bommannan et al.			
		5 2 6 7 9 8 5	12/07/1993	Shimada et al.			
		5 2 7 1 8 8 1	12/21/1993	Redding, Jr.			
		5 2 7 6 6 5 7	01/04/1994	Newnham et al.			
		5 2 8 2 7 8 5	02/01/1994	Shapland et al.			
		5 3 2 3 7 6 9	06/28/1994	Bommannan et al.			
		5 4 0 5 6 1 4	04/11/1995	D'Angelo			
		5 4 2 1 8 1 6	06/06/1995	Lipkovker			
		5 4 4 5 6 1 1	08/29/1995	Eppstein et al.			
PG		5 4 5 5 3 4 2	10/03/1995	Redding, Jr.			

EXAMINER

/Phillip Gray/

DATE CONSIDERED 07/11/2006

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
(MODIFIED) PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
04-40080-US

SERIAL NO.
10/782,378

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

(37 CFR 1.98(b))

APPLICANT
Bruce K. Redding JR.

FILING DATE
February 18, 2004

GROUP
3763

U.S. PATENT DOCUMENTS

EXAMINE R INITIAL	PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
PG	5	4	5	8	1	4	0	10/17/1995	Eppstein et al.			
	5	4	6	0	7	5	6	10/24/1995	Redding, Jr.			
	5	5	8	2	5	8	6	12/10/1996	Tachibana et al.			
	5	6	3	6	6	3	2	06/10/1997	Bommannan et al.			
	5	6	5	8	2	4	7	08/19/1997	Henley			
	5	7	2	9	0	7	7	03/17/1998	Newnham et al.			
	5	8	1	4	5	9	9	09/29/1998	Mitragotri et al.			
	5	9	4	7	9	2	1	09/07/1999	Johnson et al.			
	6	0	0	2	9	6	1	12/14/1999	Mitragotri et al.			
	6	0	1	8	6	7	8	01/25/2000	Mitragotri et al.			
	6	0	2	4	7	1	7	02/15/2000	Ball et al.			
	6	0	3	0	3	7	4	02/29/2000	McDaniel			
	6	0	4	1	2	5	3	03/21/2000	Kost et al.			
	6	1	9	0	3	1	5	02/20/2001	Kost et al.			
	6	2	3	4	9	9	0	05/22/2001	Rowe et al.			
	6	3	2	2	5	3	2	11/27/2001	D'Sa et al.			
	4	8	7	8	8	9	2	11/07/1989	Sibalis et al.			
	5	1	3	5	4	7	9	08/04/1992	Sibalis et al.			
	5	3	2	8	4	5	2	07/12/1994	Sibalis et al.			
	6	6	1	4	1	4	3	09/02/2003	Zhang et al.			
	5	7	0	6	9	5	0	01/13/1998	Houghton et al.			
	4	7	8	7	8	8	8	11/29/1988	Fox			
	6	1	7	1	2	9	4	01/09/2001	Southam et al.			
PG	5	9	7	8	7	0	1	11/02/1999	Johnson et al.			

EXAMINER

/Phillip Gray/

DATE CONSIDERED

07/11/2006

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

(37 CFR 1.98(b))

APPLICANT
Bruce K. Redding JR.

FILING DATE
February 18, 2004

GROUP
3763

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

		Amsden, B.G., et al., "Transdermal Delivery of Peptide and Protein Drugs. An Overview", Dept. of Chem. Eng., Queens Univ., Canada, AIChE Journal, vol. 41, No. 8, August 1995, pp. 1972-1997.
		Ben-Jebria, Abdellaziz, et al. "Large Porous Particles for Sustained Proection from Carbachol-Induced Bronchoconstruction in Guinea Pigs", Pharm Research, Plenum Pub. Corp., vol. 16, No. 4, Jan. 1999, pp. 555-561.
		Blankschtein, Daniel, et al., "Transdermal Drug Delivery Using Low-Frequency Sonophoresis", Pharmaceutical Research, Plenum Pub. Corp., vol. 13, No. 3, 1996, pp. 411-421.
		Blankschtein, Daniel, et al., Evaluation of Solute Permeation Through the Stratum Corneum: Lateral Bilayer Diffusion as the Primary Transport Mechanism", J. of Pharm. Sci., vol. 86, No. 10 October 1997, pp. 1162-1172.
		Blankschtein, Daniel, et al., Permeation of Steroids Through Human Skin", J. of Pharm. Sci., vol. 84, No. 9, Sept. 1995 pp. 1144-1146.
		Edward, David A. and Langer, Robert, "A Linear Theory of Transdermal Transport Phenomena", J. of Pharm. Sci. vol. 83, No. 9, Sept. 1994, pp. 1315-1334.
		Edwards, David A., et al., "Hydrogels with Enhanced Mass Transfer for Transdermal Drug Delivery", Dept. of Chem Eng., and Dept. of Bioeng. Penn State Univ.
		Edwards, David A., et al., "Recent Advances in Pulmonary Drug Delivery Using Large, Porous, Inhaled Particles", Dept. of Chem. Eng., Penn State Univ., and Dept. of Eng. M.I.T., Amer. Physiological Society, 1998, pp. 379-385.
		Edwards, David A., et al., "Large Porous Particles for Pulmonary Drug Delivery", Sci. Magazine vol. 276, June 20, 1997, pp. 1868-1871.
		Forslind, Bo, Docent, MD, PhD., "Biophysical Studies of Human Skin Barrier and Physiology", EDRG, Med. Biophysics, Dept., Of Med. Biochem. & Biophys. Karolinska Institute, www.mbb.ki.se/forsk/bf.html (9-25-00) pp. 1-2.
		Guy, Richard H., et al., "Transdermal Drug Delivery", http://pharmal.cur-at-champs.fr/~guy/lecture.html , pp. 1-29.
		Kost, J., et al., "Transdermal Monitoring of Glucose and Other Analytes Using Ultrasound", Nature Medicine vol. 6, No. 3, March 2000, pp. 347-350.
		Mitragotri, Samir, et al., "Ultrasound-Mediated Transdermal Protein Delivery", Science 269:850-853 (1995).
		Mitragotri, S., et al., "Non-Invasive Drug Delivery and Diagnostics Using Low-Frequency Sonophoresis", Encl. of Pharm. Tech., Swarbrick and Bovian, Editors, vol. 14, Marcel Dekker, Inc., (1995).

EXAMINER

/Phillip Gray/

DATE CONSIDERED 07/11/2006

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR 1.98(b))	ATTY. DOCKET NO. 04-40080-US	SERIAL NO. 10/782,378
	APPLICANT Bruce K. Redding JR.	
	FILING DATE February 18, 2004	GROUP 3763

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

		Mitragotri, S., et al., "A Mechanistic Study of Ultrasonically-Enhanced Transdermal Drug Delivery", (1995) Journal of Pharm. Sci. vol. 84, No. 6, pp. 697-706.
		Osborne, David W. and Henke, Jill J., "Skin Penetration Enhancements Cited in the Technical Literature", (9-25-00) R&D, Vivotex Corp., www.pharmtech.com/technical/osborne/osborne.html , pp. 1-26.
		Ristic, Cedomila, "Modeling of Ultrasonic Convection Dispersion Mass Transfer Enhancement in Porous Membranes"
		Ritter, Timothy, et al., "High Frequency Transducer Arrays for Medical Imaging", Medical Imaging 2000, SPIE vol. 3982, pp. 208-216.
		Saunders, James, et al., "A Novel Skin Penetration Enhancer: Evaluation by Membrane Diffusion and Confocal Microscopy", J. Pharm. Sci., (www.alberta.ca/~csp), 2(3):99-107 1999.
		Wang, Haifeng, et al., "High Frequency Properties of Passive Materials for Ultrasonic Transducers", IEEE Transactions on Ultrasonics, Ferroelectrics, and Freq. Control vol. 48, No. 1, Jan. 2001, pp 78-83.
		Wang, Heifeng, et al., "Passive Materials for High Frequency Ultrasound Transducers", SPIE Conference on Ultrasonic Trans. Eng., SPIE vol. 3664, Feb. 1999, pp. 35-42.
		Wang, Jue, et al., "Inhalation of Estradiol for Sustained Systemic Delivery", J. of Aerosol Medicine vol. 12, No. 1, 1999, pp. 27-36.
		Roberts, Dottie, "Transdermal Drug Delivery Using Iontophoresis and Phonophoresis", Orthopaedic Nursing, May 1999, vol. 18, i3, pp 50, (http://web4.infotrac.galegroup.com), pp 1-8.
		Byl, Nancy N., "The Use of Ultrasound as an Enhancer for Transcutaneous Drug Delivery" Phonophoresis, Physical Therapy, June 1995, vol. 75 No. 6, pp. 89(15), (http://web4.infotrac.galegroup.com), pp. 8-28.
		Cameron, Michelle H., et al., "Relative Transmission of Ultrasound by Media Customarily Used for Phonophoresis", Physical Therapy, Feb. 1992, vol. 72, No. 2, pp. 142(7), (http://web4.infotrac.galegroup.com), pp. 28-35.
		Ciccone, Charles D., et al., "Effects of Ultrasound and Trolamine Salicylate Phonophoresis on Delayed-Onset Muscle Soreness", Physical Therapy, Sept. 1991, vol. 71, No. 9, pp. 666(13), (http://web4.infotrac.galegroup.com), pp. 35-48.
		Newman, Laura, Contributing Editor, "Iontophoresis Delivers Painless, Noninvasive Anesthesia", Dermatology Times, Apr. 1995 vol. 16, Issue 4, p. 34.
		Love, APRN, MSN, Georgette, "Electrifying News About Iontophoresis", Nursing2000, vol. 30 No. 1, (2000), pp. 48-49.

EXAMINER /Phillip Gray/

DATE CONSIDERED 07/11/2006

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

